```
#  Cadralazine 3  (log concs distributed t with 10 df) ;
model {
                for (i in 1:N) {
                     lnconc[i] <- log(conc[i] + eps) ;
                     # adding eps prevents a trap because of 0-valed concs ;
                }
                for (i in 1:N) {
                        mu[i]  <- log(dose[i]) - ke[subj[i]] * time[i] -
                            alpha[subj[i],1]
                      lnconc[i] ~ dt(mu[i], tauC,10)
                        }
                for (i in 1:n) {
                        V[i] <- exp(alpha[i,1]) ;
                        ke[i] <- exp(alpha[i,2]) ;
                        alpha[i,1:2] ~ dmnorm(eta[1:2], tau[1:2, 1:2])
                }
                eta[1:2] ~ dmnorm(mean[1:2], prec[1:2, 1:2])
                tau[1:2, 1:2] ~ dwish(R[1:2, 1:2], 2)
                Vpop <- exp(eta[1]) ;
                kepop <- exp(eta[2]) ;

         for (i in 1:2) {
                sigma[i] <- sqrt(inverse(tau[1:2, 1:2], i, i))
                 }

                tauC ~ dgamma(1.0E-3, 1.0E-3)
                sigmaC <- 1 / sqrt(tauC)
        }

data
        list(N = 64, n = 10, mean = c(0, 0), eps = 0.000001,
                        R = structure(.Data = c(0.1, 0,

+                      0, 0.1), .Dim = c(2,2)),
                        prec = structure(.Data = c(1.0E-6, 0,

+                      0, 1.0E-6), .Dim = c(2,2)))




inits
list(eta = c(0,0), tauC = 2.0, tau = structure(.Data =
c(0.1, 0.0, 0.0, 0.1), .Dim = c(2,2)) )
```